

DATE 05/26/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000023203

APPLICANT SHANNON REGAR PHONE 754.5678
ADDRESS POB 2861 LAKE CITY FL 32056
OWNER PHOENIX LAND DEVELOPMENT & PROP. MNGMNT PHONE 752.2171
ADDRESS 313 SW RED MAPLE WAY LAKE CITY FL 32025
CONTRACTOR J.L. DUPREE CONSTRUCTION SVCS PHONE 755.5678
LOCATION OF PROPERTY 90-W TO C-252,TL GO TO SW RED MAPLE WAY,TL AND IT'S TOWARDS THE CUL-DE-SAC ON L.

TYPE DEVELOPMENT SFD & UTILITY ESTIMATED COST OF CONSTRUCTION 113900.00
HEATED FLOOR AREA 2278.00 TOTAL AREA 3152.00 HEIGHT 24.00 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 8'12 FLOOR CONC
LAND USE & ZONING RSF-2 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE XPP DEVELOPMENT PERMIT NO.

PARCEL ID 03-4S-16-02732-112 SUBDIVISION LAUREL LAKE
LOT 12 BLOCK PHASE UNIT TOTAL ACRES .50

000000675 N CGC060631
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
18"X24'MITERED X-05-0162 BLK N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE

1 FOOT ABOVE ROAD.

PREVENTATIVE TREATMENT REPORT REC'D 05.26.2005. Check # or Cash 1782

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by Foundation date/app. by Monolithic date/app. by
Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by
Framing date/app. by Rough-in plumbing above slab and below wood floor date/app. by
Electrical rough-in date/app. by Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by
Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by
M/H tie downs, blocking, electricity and plumbing date/app. by Pool date/app. by
Reconnection date/app. by Pump pole date/app. by Utility Pole date/app. by
M/H Pole date/app. by Travel Trailer date/app. by Re-roof date/app. by

BUILDING PERMIT FEE \$ 570.00 CERTIFICATION FEE \$ 15.76 SURCHARGE FEE \$ 15.76
MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ WASTE FEE \$
FLOOD ZONE DEVELOPMENT FEE \$ CULVERT FEE \$ 25.00 TOTAL FEE 676.52

INSPECTORS OFFICE CLERKS OFFICE

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVENIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Columbia County Building Permit Application

For Office Use Only Application # 0502-27 Date Received 5/9/05 By SW Permit# 67587 23203
Application Approved By - Zoning Official BLK Date 26.05.05 Plans Examiner OK JIH Date 5/25/05
Flood Zone Xpft Development Permit N/A Zoning RSF-2 Land use Plan map Category Res. Low Dev.
Comments _____

Applicants Name Phoenix Land Development & Property Mange. Phone 752-2171
Address P.O. Box 2187 Lake City, Florida 32056
Owners Name Same Phone _____
911 Address 313 SW Red Maple Way Lake City Florida 32025
Contractors Name J.L. DuPre Construction Services Phone 386-754-5678
Address P.O. Box 2861 Lake City Florida 32055
Fee Simple Owner Name & Address _____
Bonding Co. Name & Address _____
Architect/Engineer Name & Address Freeman Design Group 161 NW Marion St.
Mortgage Lenders Name & Address _____
Property ID Number 03-4s-16-02732-112 Estimated Cost of Construction \$135,000.00
Subdivision Name Laurel Lake Lot 12 Block _____ Unit _____ Phase _____
Driving Directions - 90-W to C-252, TL Go to SW Red Maple Way
TL - H's

Type of Construction Residential Number of existing dwellings on property 0
Total Acreage 0.5056 Lot Size _____ Do You need A Culvert Permit or Culvert Waiver or Have an existing Drive
Actual Distance of structure from property lines - Front 11' Side 11' 4" Side 10' Rear 59' - per revised site plan
Total Building Height 24' Number of stories 1 Heated floor area 2278 roof pitch 8/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

J.L. DuPre
Owner, Builder or Agent (including Contractor)

J.L. DuPre
Contractor Signature
Contractors License Number CGC 060631
Competency Card Number _____

STATE OF FLORIDA
COUNTY OF COLUMBIA

NOTARY STAMP/ SEAL

Sworn to (or affirmed) and subscribed before me
This 9th day of May 20 05
Personally known ✓ or Produced Identification

Shannon M Regar
Notary Signature



Shannon M Regar
My Commission DD364938
Expires October 21, 2008

1782

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: Lot12 Laurel Lakes (dupree)
Address:
City, State:
Owner:
Climate Zone: South
Builder:
Permitting Office: Columbia
Permit Number: 23203
Jurisdiction Number: 221000

1. New construction or existing New
2. Single family or multi-family Single family
3. Number of units, if multi-family 1
4. Number of Bedrooms 4
5. Is this a worst case? No
6. Conditioned floor area (ft²) 2278 ft²
7. Glass area & type Single Pane Double Pane
a. Clear glass, default U-factor 0.0 ft² 127.8 ft²
b. Default tint 0.0 ft² 0.0 ft²
c. Labeled U or SHGC 0.0 ft² 0.0 ft²
8. Floor types
a. Slab-On-Grade Edge Insulation R=0.0, 230.9(p) ft
b. N/A
c. N/A
9. Wall types
a. Frame, Wood, Exterior R=13.0, 1847.2 ft²
b. N/A
c. N/A
d. N/A
e. N/A
10. Ceiling types
a. Under Attic R=30.0, 2505.8 ft²
b. N/A
c. N/A
11. Ducts
a. Sup: Unc. Ret: Unc. AH: Garage Sup. R=64.0, 6.0 ft
b. N/A
12. Cooling systems
a. Central Unit Cap: 48.0 kBtu/hr SEER: 10.00
b. N/A
c. N/A
13. Heating systems
a. Electric Heat Pump Cap: 48.0 kBtu/hr HSPF: 7.00
b. N/A
c. N/A
14. Hot water systems
a. LP Gas Cap: 48.0 gallons EF: 0.66
b. N/A
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)
15. HVAC credits PT, CF,

Glass/Floor Area: 0.06 Total as-built points: 28120
Total base points: 37507 PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.
PREPARED BY:
DATE:
I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.
OWNER/AGENT:
DATE:

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.
BUILDING OFFICIAL:
DATE:



SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	2278.0	32.50	13326.3	Double, Clear	N	1.5	6.0	30.0	31.93	0.94	900.7
				Double, Clear	N	1.5	2.0	4.0	31.93	0.76	97.7
				Double, Clear	S	1.5	8.1	44.0	58.45	0.94	2416.7
				Double, Clear	S	1.5	6.1	15.8	58.45	0.88	811.0
				Double, Clear	W	1.5	6.0	30.0	61.59	0.92	1696.3
				Double, Clear	W	1.5	2.0	4.0	61.59	0.63	155.5
				As-Built Total:			127.8			6077.9	
WALL TYPES Area X BSPM = Points				Type	R-Value Area X SPM = Points						
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0			1847.2	2.40	4433.3	
Exterior	1847.2	2.70	4987.4								
Base Total: 1847.2 4987.4				As-Built Total:			1847.2			4433.3	
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Wood				20.4	9.40	191.8	
Exterior	39.4	6.40	252.4	Exterior Wood				19.0	9.40	179.0	
Base Total: 39.4 252.4				As-Built Total:			39.4			370.7	
CEILING TYPES Area X BSPM = Points				Type	R-Value Area X SPM X SCM = Points						
Under Attic	2278.0	2.80	6378.4	Under Attic	30.0			2505.8	2.77 X 1.00		6941.1
Base Total: 2278.0 6378.4				As-Built Total:			2505.8			6941.1	
FLOOR TYPES Area X BSPM = Points				Type	R-Value Area X SPM = Points						
Slab	230.9(p)	-20.0	-4618.0	Slab-On-Grade Edge Insulation	0.0			230.9(p)	-20.00		-4618.0
Raised	0.0	0.00	0.0								
Base Total: -4618.0				As-Built Total:			230.9			-4618.0	
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
2278.0 18.79 42803.6				2278.0 18.79 42803.6							

SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:
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BASE					AS-BUILT										
Summer Base Points: 63130.2					Summer As-Built Points: 56008.6										
Total Summer Points	X	System Multiplier	=	Cooling Points	Total Component	X	Cap Ratio	X	Duct Multiplier (DM x DSM x AHU)	X	System Multiplier	X	Credit Multiplier	=	Cooling Points
63130.2		0.4266		26931.3	56008.6 56008.6		1.000 1.00		(1.058 x 1.165 x 1.00) 1.233		0.341 0.341		0.902 0.902		21245.6 21245.6

WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt Area X WPM X WOF = Points						
.18	2278.0	2.36	967.7	Double, Clear	N	1.5	6.0	30.0	4.38	0.99	130.3
				Double, Clear	N	1.5	2.0	4.0	4.38	0.97	17.0
				Double, Clear	S	1.5	8.1	44.0	3.12	1.00	137.5
				Double, Clear	S	1.5	6.1	15.8	3.12	1.02	50.2
				Double, Clear	W	1.5	6.0	30.0	3.98	1.00	119.1
				Double, Clear	W	1.5	2.0	4.0	3.98	1.02	16.2
As-Built Total:				127.8 470.3							
WALL TYPES Area X BWPM = Points				Type	R-Value Area X WPM = Points						
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0 1847.2 0.60 1108.3						
Exterior	1847.2	0.60	1108.3								
Base Total: 1847.2 1108.3				As-Built Total: 1847.2 1108.3							
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Wood	20.4 2.80 57.1						
Exterior	39.4	1.80	71.0	Exterior Wood	19.0 2.80 53.3						
Base Total: 39.4 71.0				As-Built Total: 39.4 110.4							
CEILING TYPES Area X BWPM = Points				Type	R-Value Area X WPM X WCM = Points						
Under Attic	2278.0	0.10	227.8	Under Attic	30.0 2505.8 0.10 X 1.00 250.6						
Base Total: 2278.0 227.8				As-Built Total: 2505.8 250.6							
FLOOR TYPES Area X BWPM = Points				Type	R-Value Area X WPM = Points						
Slab	230.9(p)	-2.1	-484.9	Slab-On-Grade Edge Insulation	0.0 230.9(p) -2.10 -484.9						
Raised	0.0	0.00	0.0								
Base Total: -484.9				As-Built Total: 230.9 -484.9							
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
2278.0 -0.06 -136.7				2278.0 -0.06 -136.7							

WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:
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BASE				AS-BUILT						
Winter Base Points: 1753.2				Winter As-Built Points: 1318.1						
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
1753.2		0.6274	1100.0	1318.1		1.000	(1.076 x 1.137 x 1.00)	0.487	0.950	746.3
				1318.1		1.00	1.223	0.487	0.950	746.3

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE					AS-BUILT						
WATER HEATING											
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X	Credit = Total Multiplier
4		2369.00		9476.0	48.0	0.66	4		1.00	1531.95	1.00 6127.8
					As-Built Total:			6127.8			

CODE COMPLIANCE STATUS													
BASE						AS-BUILT							
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
26931		1100		9476		37507	21246		746		6128		28120

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.7

The higher the score, the more efficient the home.

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 48.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	2278 ft ²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear - single pane	0.0 ft ² 127.8 ft ²	a. Electric Heat Pump	Cap: 48.0 kBtu/hr
b. Clear - double pane	0.0 ft ² 0.0 ft ²		HSPF: 7.00
c. Tint/other SHGC - single pane	0.0 ft ² 0.0 ft ²	b. N/A	
d. Tint/other SHGC - double pane		c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 230.9(p) ft	a. LP Gas	Cap: 48.0 gallons
b. N/A			EF: 0.66
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1847.2 ft ²	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	PT, CF,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 2505.8 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=64.0, 6.0 ft		
b. N/A			

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/468-8824.*

Energy Gauge Version: FLRCPB v3.30)

Residential System Sizing Calculation

Summary

Project Title:
Lot12 Laurel Lakes (dupree)

Code Only
Professional Version
Climate: South

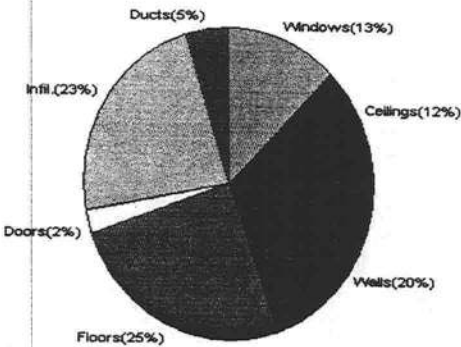
4/26/2005

Location for weather data: Orlando - User customized: Latitude(28) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(44gr.)			
Winter design temperature	38 F	Summer design temperature	98 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	32 F	Summer temperature difference	23 F
Total heating load calculation		Total cooling load calculation	26000 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	203.7 48000	Sensible (SHR = 0.5)	118.9 24000
Heat Pump + Auxiliary(0.0kW)	203.7 48000	Latent	412.1 24000
		Total (Electric Heat Pump)	184.6 48000

WINTER CALCULATIONS

Winter Heating Load (for 2278 sqft)

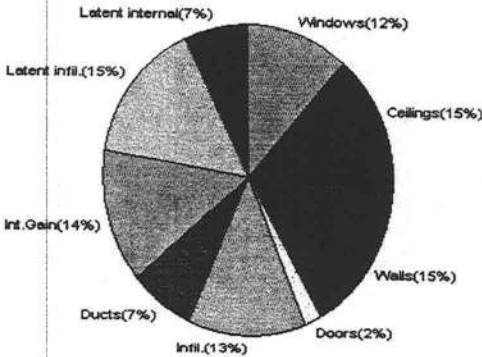
Load component		Load	
Window total	128 sqft	2966	Btuh
Wall total	1847 sqft	4803	Btuh
Door total	39 sqft	581	Btuh
Ceiling total	2506 sqft	2756	Btuh
Floor total	231 ft	5980	Btuh
Infiltration	152 cfm	5356	Btuh
Subtotal		22442	Btuh
Duct loss		1122	Btuh
TOTAL HEAT LOSS		23564	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2278 sqft)

Load component		Load	
Window total	128 sqft	3027	Btuh
Wall total	1847 sqft	3953	Btuh
Door total	39 sqft	484	Btuh
Ceiling total	2506 sqft	3909	Btuh
Floor total		0	Btuh
Infiltration	133 cfm	3369	Btuh
Internal gain		3600	Btuh
Subtotal(sensible)		18342	Btuh
Duct gain		1834	Btuh
Total sensible gain		20177	Btuh
Latent gain(infiltration)		3984	Btuh
Latent gain(internal)		1840	Btuh
Total latent gain		5824	Btuh
TOTAL HEAT GAIN		26000	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: W. J. H. Free

DATE: 4/26/05

System Sizing Calculations - Winter

Residential Load - Component Details

Project Title:
Lot12 Laurel Lakes (dupree)

Code Only
Professional Version
Climate: South

Reference City: Orlando (User customized) Winter Temperature Difference: 32.0 F

4/26/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	30.0	23.2	696 Btuh
2	2, Clear, Metal, DEF	N	4.0	23.2	93 Btuh
3	2, Clear, Metal, DEF	S	44.0	23.2	1021 Btuh
4	2, Clear, Metal, DEF	S	15.8	23.2	367 Btuh
5	2, Clear, Metal, DEF	W	30.0	23.2	696 Btuh
6	2, Clear, Metal, DEF	W	4.0	23.2	93 Btuh
Window Total			128		2966 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1847	2.6	4803 Btuh
Wall Total			1847		4803 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		20	14.7	300 Btuh
2	Wood - Exter		19	14.7	280 Btuh
Door Total			39		581Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2506	1.1	2756 Btuh
Ceiling Total			2506		2756Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	230.9 ft(p)	25.9	5980 Btuh
Floor Total			231		5980 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	22780(sqft)	152	5356 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				152	5356 Btuh

Totals for Heating	Subtotal	22442 Btuh
	Duct Loss(using duct multiplier of 0.05)	1122 Btuh
	Total Btuh Loss	23564 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

Project Title:
Lot12 Laurel Lakes (dupree)

Code Only
Professional Version
Climate: South

Reference City: Orlando (User customized)

Summer Temperature Difference: 23.0 F

4/26/2005

Window	Type	Overhang		Window Area(sqft)			HTM		Load	
	Panes/SHGC/U/InSh/ExSh Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, DEF, B, N	N	1.5	6	30.0	0.0	30.0	17	17	510 Btuh
2	2, Clear, DEF, B, N	N	1.5	2	4.0	0.0	4.0	17	17	68 Btuh
3	2, Clear, DEF, B, N	S	1.5	8.08	44.0	44.0	0.0	17	26	748 Btuh
4	2, Clear, DEF, B, N	S	1.5	6.08	15.8	15.8	0.0	17	26	269 Btuh
5	2, Clear, DEF, B, N	W	1.5	6	30.0	4.0	26.0	17	48	1317 Btuh
6	2, Clear, DEF, B, N	W	1.5	2	4.0	2.5	1.5	17	48	115 Btuh
Window Total					128					3027 Btuh
Walls	Type	R-Value		Area		HTM		Load		
	1	Frame - Exterior	13.0		1847.2		2.1		3953 Btuh	
Wall Total					1847.2				3953 Btuh	
Doors	Type	R-Value		Area		HTM		Load		
	1	Wood - Exter			20.4		12.3		251 Btuh	
2	Wood - Exter			19.0		12.3		234 Btuh		
Door Total					39.4				484 Btuh	
Ceilings	Type/Color	R-Value		Area		HTM		Load		
	1	Under Attic/Dark	30.0		2505.8		1.6		3909 Btuh	
Ceiling Total					2505.8				3909 Btuh	
Floors	Type	R-Value		Size		HTM		Load		
	1	Slab-On-Grade Edge Insulation	0.0		230.9 ft(p)		0.0		0 Btuh	
Floor Total					230.9				0 Btuh	
Infiltration	Type	ACH		Volume		CFM=		Load		
	Natural	0.35		22780		133.1		3369 Btuh		
	Mechanical					0		0 Btuh		
Infiltration Total							133		3369 Btuh	
Internal gain	Occupants		Btuh/occupant		Appliance		Load			
	8		X 300		+		1200		3600 Btuh	
Totals for Cooling		Subtotal					18342 Btuh			
		Duct gain(using duct multiplier of 0.10)					1834 Btuh			
		Total sensible gain					20177 Btuh			
		Latent infiltration gain (for 44 gr. humidity difference)					3984 Btuh			
		Latent occupant gain (8 people @ 230 Btuh per person)					1840 Btuh			
		Latent other gain					0 Btuh			
		TOTAL GAIN					26000 Btuh			

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

EnergyGauges FLRCPB v3.30

PERMIT# _____

NOTICE OF COMMENCEMENT
COUNTY OF: COLUMBIA

CITY OF: Lake City

STATE OF: FLORIDA

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

DESCRIPTION OF PROPERTY

SECTION: 03 TOWNSHIP: 4S RANGE: 11 TAX PARCEL #: 03-4S-16-02732-112
LOT: 12 BLOCK: _____ SUBDIVISION: Laurel Lakes
PLATBOOK #: _____ MAP PAGE #: _____
STREET ADDRESS: _____

GENERAL DESCRIPTION OF IMPROVEMENT

TO CONSTRUCT: 2278 sq. ft. single family residence

OWNER INFORMATION

NAME: Phoenix Land Development & Property Management, Inc. PHONE NUMBER: 754-2171
ADDRESS: P.O. Box 2187 Lake City
STATE: Florida ZIP CODE: 32056
INTEREST IN THE PROPERTY: Owner/Developer
FEE SIMPLE TITLEHOLDER NAME (OTHER THAN OWNER): _____
FEE SIMPLE TITLEHOLDER ADDRESS: _____

CONTRACTOR NAME: J.L. DUPREE PHONE NUMBER: 386-754-5678
COMPANY NAME: J.L. DUPREE CONSTRUCTION SERVICES, INC. FAX NUMBER: 386-754-5431
ADDRESS: P.O. BOX 2861 CITY: LAKE CITY
STATE: FLORIDA ZIP CODE: 32056

BONDING COMPANY: N/A PHONE NUMBER: _____
ADDRESS: _____ FAX NUMBER: _____
CITY: _____ STATE: _____ ZIP CODE: _____

LENDER NAME: N/A PHONE NUMBER: _____
ADDRESS: _____ FAX NUMBER: _____
CITY: _____ STATE: _____ ZIP CODE: _____

Persons within the State of Florida designated by owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a), Florida Statute:

NAME: N/A ADDRESS: _____
CITY: _____ STATE: _____ ZIP CODE: _____
In addition to himself, the owner designates N/A of _____

To receive a copy of the Lienor's notice as provided in Section 713.13(1)(b) Florida Statutes.

Expiration date of Notice of Commencement (the expiration date is one (1) year from the date of recording unless a different date is specified): _____

SIGNATURE OF OWNER: J.L. Dupree
Sworn to and subscribed before me this 9th day of May, 20 05.

Known personally/I.D. Shown _____
Notary: Shannon M Regar My commission expires: 10-21-2008



**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000000675**

DATE 05/26/2005 PARCEL ID # 03-4S-16-02732-112
APPLICANT SHANNON REGAR PHONE 752.2171
ADDRESS POB 2861 LAKE CITY FL 32056
OWNER PHOENIX LAND DEV. & PROPERTY MANAGEMENT PHONE 752.2171
ADDRESS 313 SW RED MAPLE WAY LAKE CITY FL 32025
CONTRACTOR J.L. DUPREE CONSTRUCTION SERVICES PHONE 752.5152
LOCATION OF PROPERTY 90-W TO C-252, TL GO TO SW RED MAPLE WAY TL, IT'S TOWARD THE CUL-DE-SAC
ON L.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT LAUREL LAKE 12

SIGNATURE

✓ Shannon Regar

INSTALLATION REQUIREMENTS

☐

Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

☐

Culvert installation shall conform to the approved site plan standards.

☐

Department of Transportation Permit installation approved standards.

☒

Other BCC WAIVED REQUEST TO BE 18"X24"MITERED.

**ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALATION OF THE CULVERT.**

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00





Engineers • Planners

161 N.W. Madison St., Suite 102
Lake City, Florida 32055
Tel: 386-758-4209
Fax: 386-758-4290

July 11, 2005

Columbia County Building and Zoning

RE: Laurel Lake Lot 11 **PERMIT # 23192**
and Laurel Lake12 **PERMIT # 23203**

To whom it may concern:

I have reviewed the Flood Insurance Rate Map and have determined the property is not located in a flood zone. I have performed a site evaluation of the existing area. I certify that placing the finished floor elevation at least 12" above finished grade is adequate to prevent flood and water damage. Grade the perimeter so that all runoff drains away from the building.

Sincerely,

William H. Freeman, P.E.
President
Cert. Of Authorization #00008701



Engineers / Planners 161 NW Madison St Ste#102
Lake City, FL 32055
Tel: 386-758-4209
Fax: 386-758-4290

Cert. Of Auth. 00008701

Permit Number #23203 Address Lot #12 Laurell Lake Order By: Kurt

Foundation 11/27/06
date/app. by

Monolithic N/A
date/app. by

Under slab rough-in plumbing 12/8/06
date/app. by

Slab 12/10/06
date/app. by

Sheating/ Nailing 12/22/06
date/app. by

Rough-in plumbing above slab and below wood floor 11/3/07
date/app. by


Framing 1/3/07
date/app. by

Electrical rough-in 1/3/07
date/app. by

Heat & Air Duct 1/3/07
date/app. by

Peri. Beam (Lintel) N/A
date/app. by

Comments: _____


11/4/07
William H. Freeman P.E. 56001

COLUMBIA COUNTY OFFICE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 03-4S-16-02732-112

Building permit No. 000023203

Use Classification SFD & UTILITY

Fire: 47.36

Permit Holder J.L. DUPREE CONSTRUCTION SVCS

Waste: 98.00

Owner of Building PHOENIX LAND DEVELOPMENT & PROP. MGMT 145.36

Location: 313 SW RED MAPLE WAY(LAUREL LAKE, LOT 12)



Date: 02/20/2006

Henry Dick
Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



Engineers • Planners

161 N.W. Madison St., Suite 102
Lake City, Florida 32055
Tel: 386-758-4209
Fax: 386-758-4290

Lot 11 = #23192

Lot 12 = *23203

May 18, 2005

Columbia County Building and Zoning

RE: Laurel Lakes Lots 11 and 12

To whom it may concern:

I have reviewed the Flood Insurance Rate Map and have determined the property is not located in a flood zone. I have performed a site evaluation of the existing area. I certify that placing the finished floor elevation at least 12" above finished grade is adequate to prevent flood and water damage. Grade the perimeter so that all runoff drains away from the building.

Sincerely,

A handwritten signature in black ink, appearing to read 'William H. Freeman'.

William H. Freeman, P.E.
President
Cert. Of Authorization 00008701

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 536 SE Baya Dr.

City Lake City Phone (886) 752-1703

Site Location: Subdivision Laurel Lakes

Lot # 11 Block# Permit # 23203

Address 321 SW Red Maple Way Lake City

Product used Active Ingredient % Concentration

☐ Dursban TC Chlorpyrifos 0.5%

☐ Terminor Fipronil 0.06%

☒ Bora-Care Disodium Octaborate Tetrahydrate 23.0%

Type treatment: ☐ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
<u>Main Body</u>	<u>8158</u>	<u>611</u>	<u>41/2</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

Date 8-16-05 Time 2:02 Print Technician's Name TRD Quintero

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

Date: 5-9-05

Laurel Lake

313 SW Red Maple Way Lot #12

Lake City

(Address of Treatment or Lot/Block-of Treatment)

City

Florida Pest Control & Chemical Co.

www.flapest.com

Product to be used: Bora-Care Termiticide (Wood Treatment)

Chemical to be used: 23% Disodium Octaborate Tetrahydrate

Application will be performed onto structural wood at dried-in stage of construction. Bora-Care Termiticide application shall be applied according to EPA registered label directions as stated in the Florida Building Code Section 1861.1.8

(Information to be provided to local building code offices prior to concrete foundation installation.)